

Atty's Docket: (New) 101131-3

**IN THE TITLE**

Please change the title to read "THE G-PROTEIN-COUPLED EDG6 RECEPTOR, DNA ENCODING THE RECEPTOR AND USE OF THE SAME."

**IN THE ABSTRACT**

Please replace the abstract with the substitute abstract submitted herewith.

**IN THE CLAIMS**

Cancel all claims and add the following new claims as follows:

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22. (New) A method for determining the presence of leukocytes in a cell and/or tissue sample taken from a living subject, said method comprising the steps of:

- (a) obtaining said sample from said subject,
- (b) obtaining ribonucleic acid (RNA) from said cell and/or tissue sample, and
- (c) performing a Northern blot analysis of said RNA,

wherein detecting RNA having sequences complementary to the DNA sequence described by SEQ ID NO: 2 and/or at least one portion thereof, in said Northern blot analysis, is indicative of the presence of leukocytes in said anatomical sample.

23. (New) The method of claim 22, wherein the detecting of sequences complementary to the DNA sequence described by SEQ ID NO: 2, and/or at least one portion thereof, further comprises detecting mutants and variants of SEQ ID NO: 2 that display a change in molecular size of the complementary RNA.

24. (New) A method for determining the presence of leukocytes in a cell and/or tissue sample taken from a living subject, said method comprising the steps of:

- (a) obtaining said sample from said subject,

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(b) disrupting said cell and/or tissue sample to provide ribonucleic acid (RNA) in a form suitable for amplification by a polymerase chain reaction,

(c) performing a polymerase chain reaction (PCR) with said RNA and primers derived from SEQ ID NO: 2, and

(d) optionally, analyzing said PCR reaction mix by electrophoresis,

wherein detecting at least one PCR product is indicative of the presence of leukocytes in said anatomical sample.

25. (New) The method of claim 24, wherein the nucleotide sequence of the at least one PCR product is determined.

26. (New) The method of claim 24 wherein the leukocyte detected may be a lymphocyte or an antigen-presenting cell.

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**CONDITIONAL PETITION FOR EXTENSION OF TIME**

If any extension of time for this response is required, Applicants request that this be considered a petition therefore. Please charge the required fee to Deposit Account No. 14-1263.

**ADDITIONAL FEES**

Please charge any further insufficiency of fees, or credit any excess to Deposit Account No. 14-1263.